

JAVA - ATAN() METHOD

Description:

The method returns the arctangent of the specified double value.

Syntax:

```
double atan(double d)
```

Parameters:

Here is the detail of parameters:

- **d** -- A double data types

Return Value :

- This method Returns the arctangent of the specified double value.

Example:

```
public class Test{  
  
    public static void main(String args[]){  
        double degrees = 45.0;  
        double radians = Math.toRadians(degrees);  
  
        System.out.format("The value of pi is %.4f%n", Math.PI);  
        System.out.format("The arctangent of %.4f is %.4f degrees %n",  
            Math.cos(radians),  
            Math.toDegrees(Math.atan(Math.sin(radians))));  
  
    }  
}
```

This produces the following result:

```
The value of pi is 3.1416  
The arctangent of 1.0000 is 45.0000 degrees
```